

### **DETAILED ACTION**

1. This action is responsive to the Applicant's response filed 7/1/08.

As indicated in Applicant's response, claims 1, 7, 17, 17, 23, 43, 49 have been amended.

Claims 1-62 are pending in the office action.

### ***EXAMINER'S AMENDMENT***

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

3. Authorization for this examiner's amendment was given in a telephone interview with Ted Liu, Reg. # 60,039 on 7/30-7/31/08.

The application has been amended as follows.

In the CLAIMS:

The claims have been amended according to the Claims Amendment, namely, "**Proposed Claims Amendment For Enabling Examiner's Amendment**", provided herein as attached file "Proposd\_73108.pdf"

### ***EXAMINER'S STATEMENT OF REASONS FOR ALLOWANCE***

4. Claims 1, 5-6, 23, 27-28, 43, 47-48, 65-76 are allowed.

The following is an examiner's statement of reasons for allowance.

The prior art taken separately or jointly does not suggest or teach the following features.

A method or system for providing a common runtime container framework including (i) a plurality of runtime containers to process service requests and provide application services, said

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plurality of containers organized in a first hierarchical architecture, and a plurality of metadata objects organized in a second hierarchical architecture, said metadata objects to provide metadata on context, state, and runtime information pertinent to data/objects handled by the runtime containers; (ii) wherein the first and second hierarchical architecture are implemented according to object-oriented class inheritance, wherein each runtime container object at one layer of the first architecture interacts with a metadata object at a corresponding layer of the second architecture; (iii) wherein each metadata object includes object methods to get and set metadata required by a runtime container object directed to invoke services provided by the metadata object, said services including providing state and context information of the runtime data/objects needed for the runtime container; and wherein each runtime container object includes object methods to invoke the needed service provided by the corresponding metadata object; as recited in claims 1, 23, 43.

**Pace**, USPN: 7,181,731, discloses a J2EE container-based framework having beans with class inheritance operable to handle services via OO implementation of interfaces for retrieving information/metadata based on descriptors defined from instantiated context-based containers to address services based on stored assets which are organized in layers. Pace fails to teach or suggest asset hierarchy having class methods to get metadata, nor does Pace teach or suggest dual interaction between (first hierarchical architecture) container object layer with a corresponding (second hierarchical architecture ) metadata object layer in a dual object-oriented compliant hierarchical architecture system as set forth as (i) and (ii), whereby said hierarchical layers enable handling of service requests and provision for the runtime application, such that each second hierarchical architecture metadata object utilizes object methods to provide services

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to get/set metadata needed for (and invoked by the methods within) a corresponding first hierarchical architecture runtime container object as set forth in (iii)

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tuan A Vu whose telephone number is (571) 272-3735. The examiner can normally be reached on 8AM-4:30PM/Mon-Fri.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lewis Bullock can be reached on (571)272-3759.

The fax phone number for the organization where this application or proceeding is assigned is (571) 273-3735 ( for non-official correspondence - please consult Examiner before using) or 571-273-8300 ( for official correspondence) or redirected to customer service at 571-272-3609.

Any inquiry of a general nature or relating to the status of this application should be directed to the TC 2100 Group receptionist: 571-272-2100.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR

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system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/Tuan A Vu/

Primary Examiner, Art Unit 2193

August 01, 2008